

JAN 31 2003

2613

I HEREBY CERTIFY THAT THIS CORRESPONDENCE IS BEING DEPOSITED WITH THE UNITED STATES POSTAL SERVICE AS FIRST CLASS MAIL IN AN ENVELOPE ADDRESSED TO: ASSISTANT COMMISSIONER FOR PATENTS, WASHINGTON, DC 20231, ON THE DATE INDICATED BELOW.

By: Michael J. Pollack Date: 1/23/03

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

|            |                                              |   |                       |                                                            |
|------------|----------------------------------------------|---|-----------------------|------------------------------------------------------------|
| In Re:     | Patent Application of Michael J. Pollack     | : | Group Art Unit: 2613  | <b>RECEIVED<br/>FEB 03 2003<br/>Technology Center 2600</b> |
| Conf. No.: | 3856                                         | : |                       |                                                            |
| Appln. No. | 10/058,658                                   | : | Examiner:             |                                                            |
| Filed:     | January 28, 2002                             | : | Attorney Docket       |                                                            |
| For:       | MONITORING SYSTEM FOR<br>HOSTILE ENVIRONMENT | : | No. 200285.0689/670U1 |                                                            |

**AMENDMENT TRANSMITTAL LETTER**

Transmitted herewith is an Amendment in the above-identified application.

- ☐ Substitute Specification.
- ☐ Small Entity status:
- ☐ has previously been claimed/established.
- ☐ is hereby claimed under 37 C.F.R. §1.27, as ☐ an Independent Inventor, or ☐ a Small Business Concern, or ☐ a Non-Profit Organization.

The additional claim fees have been calculated as follows:

|                                                                        |                                           |     |                                       |                  | SMALL ENTITY |            | LARGE ENTITY |               |
|------------------------------------------------------------------------|-------------------------------------------|-----|---------------------------------------|------------------|--------------|------------|--------------|---------------|
|                                                                        | CLAIMS<br>REMAINING<br>AFTER<br>AMENDMENT |     | HIGHEST NO.<br>PREVIOUSLY<br>PAID FOR | PRESENT<br>EXTRA | RATE         | ADDIT. FEE | RATE         | ADDIT.<br>FEE |
| TOTAL                                                                  | 31                                        | (-) | 29                                    | 2                | x9           |            | x18          | 36            |
| INDEP.                                                                 | 6                                         | (-) | 4                                     | 2                | x42          |            | x84          | 168           |
| <input type="checkbox"/> 1st PRESENTATION OF MULTIPLE DEPENDENT CLAIMS |                                           |     |                                       |                  | +\$140       |            | +\$280       | ----          |
|                                                                        |                                           |     |                                       |                  | <b>TOTAL</b> |            | <b>TOTAL</b> | <b>\$204</b>  |

The additional claim fees are being paid by:

- ☒ A check in the amount of **\$204.00**.
- ☒ Authorization to charge and/or credit Deposit Account No. 50-1017 (Billing No. 200285.0689) as noted below. A duplicate copy of this sheet is enclosed.
- ☒ Any overpayments or deficiencies in the above-calculated fee.
- ☐ Additional claim fee in the amount of \$\_\_\_\_.00 as calculated above.
- ☒ Any additional fees required under 37 C.F.R. § 1.16 and/or § 1.17.

☒ In the event that a Petition for Extension of Time is required, but not submitted, please charge any extension fee under 37 C.F.R. § 1.136(a) to our Deposit Account.

**CORRESPONDENCE ADDRESS**

1/23/03

(Date)

By:



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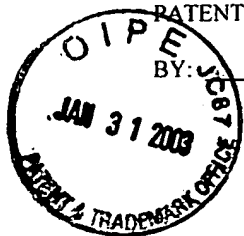
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Enclosures

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BY: Michael J. Pollack

DATE: 1/23/03

PATENT

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

#3X  
RUSE  
2-6-03

In re: Patent Application of Michael J. Pollack : Group Art Unit: 2613

Conf. No.: 3856

Appln. No.: 10/058,658

: Examiner: Not yet assigned

Filed: January 28, 2002

For: MONITORING SYSTEM FOR  
HOSTILE ENVIRONMENT

: Attorney Docket  
: No. 200285.0689/670U1

Technology Center 2600

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FEB 03 2003

**PRELIMINARY AMENDMENT**

Prior to examination of the above-identified application, please amend claims 24-29 to read as set forth below:

Sub B1  
24. (Amended) The monitoring system as recited in claim 23, wherein the sensor is selected from the group consisting of a temperature sensor, a pressure sensor, an oxygen sensor and a spectral graphic chemical analysis sensor.

R1  
Cont  
25. (Amended) The monitoring system as recited in claim 23, wherein the housing comprises a flexible sheath formed of a stainless steel bellows.

26. (Amended) The monitoring system as recited in claim 23, wherein the housing comprises a flexible polymeric tube.

27. (Amended) The monitoring system as recited in claim 23, wherein the window is formed from a material selected from the group consisting of synthetic sapphire, glass, quartz and a polymeric material.

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02 FC:1201

36.00 OP  
168.00 OP

28. (Amended) The monitoring system as recited in claim 23, wherein housing further includes a sealed window secured to the distal end of the housing by a method selected from the group consisting of brazing, fusion and an adhesive.

29. (Amended) The monitoring system as recited in claim 23, wherein the interior of the housing is provided with a fluid under pressure to control the environment within the interior of the housing.

A copy of claims 24-29 marked to show the changes made thereto is attached.

Please add new claims 30 and 31 as follows:

30. An optical monitoring system for transmitting images from within the interior of a sealed chamber to the chamber exterior, the chamber having a wall and an access port extending through the wall, the monitoring system comprising:

a generally tubular, elongated housing having a distal end, a proximal end and an interior, the housing being made of a non-porous, hermetically sealed material, the distal end of the housing including a sealed window, the proximal end of the housing being sealingly secured to the chamber wall at the access port so that the interior of the housing is accessible through the port, the interior of the housing including a transmission media for transmitting images of the interior of the chamber obtained through the window from the distal end of the housing to the proximal end of the housing and through the port; and

a monitor located outside of the chamber and connected to the transmission media for receiving the images of the interior of the chamber.

31. A monitoring system for monitoring a parameter within the interior of a sealed chamber, the chamber having a wall and an access port extending through the wall to the chamber exterior, the monitoring system comprising:

a generally tubular, elongated housing having a distal end, a proximal end and an interior, the housing being made of a non-porous, hermetically sealed material, the distal end of the housing including a sealed window and a sensor for sensing a parameter of the hostile environment through the window, the proximal end of the housing being sealingly secured to the